

**UNITED STATES OF AMERICA**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**RADIO STATION AUTHORIZATION**

Unofficial Copy

**Name** PetroCom License Corporation

(d/b/a)

**Callsign:** E850127

**File Number:** SES-MOD-20040909-01359

**Authorization** Modification of License

**Common Carrier** **Grant Date:** 11/09/2004 **Expiration Date:** 09/19/2006

**Nature Of Service:** Domestic Fixed Satellite Service

**Class Of Station:** Fixed Earth Stations

**A) Site Location(s)**

#	Site ID	Address	Latitud	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	HUB	5901 EARHART EXPRESSWAY  HARAHAN, , LA 70123  Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	29&deg;58'13.7"N	90&deg;12'12.0"W	1.5	83	

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning Thursday, September 19, 1996 (3 AM Eastern Standard Time) and ending Tuesday, September 19, 2006 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

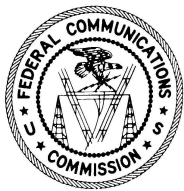
**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency	Polarization	Emission	Tx/Rx Mode	Max EIRP /Carrier	Max EIRP Density	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	5925.0000 - 6425.0000	H,V	430KF9W	T	54.20	37.50	1	1697 1900	
2)	5925.0000 - 6425.0000	H,V	430KF9W	T	56.80	40.10	1	1697 1900	
3)	5925.0000 - 6425.0000	H,V	65K0F9W	T	40.60	32.20	1	1690 1900	
4)	3700.0000 - 4200.0000	H,V	430KF9W	R			1	1010 1697	
5)	3700.0000 - 4200.0000	H,V	36M0F9W	R			1	1010 1697	



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6)	3700.0000 - 4200.0000	H,V	430KF9W	R		1	1010 1697	
7)	3700.0000 - 4200.0000	H,V	36M0F9W	R		1	1010 1501	
8)	3700.0000 - 4200.0000	H,V	65K0F9W	R		1	1010 1690	
9)	5925.0000 - 6425.0000	H,V	430KF9W	T	54.20	37.50	2	1697 1900
10)	5925.0000 - 6425.0000	H,V	430KF9W	T	56.80	40.10	2	1697 1900
11)	5925.0000 - 6425.0000	H,V	65K0F9W	T	40.60	32.20	2	1690 1900
12)	3700.0000 - 4200.0000	H,V	430KF9W	R		2	1010 1697	
13)	3700.0000 - 4200.0000	H,V	36M0F9W	R		2	1010 1697	
14)	3700.0000 - 4200.0000	H,V	430KF9W	R		2	1010 1697	
15)	3700.0000 - 4200.0000	H,V	36M0F9W	R		2	1010 1501	
16)	3700.0000 - 4200.0000	H,V	65K0F9W	R		2	1010 1690	
17)	5925.0000 - 6425.0000	H,V	430KG7W	T	62.00	41.70	3	DIGITAL DATA
18)	5925.0000 - 6425.0000	H,V	65K0G7W	T	53.80	41.70	3	DIGITAL DATA
19)	3700.0000 - 4200.0000	H,V	36M0F8W	R		3		ANALOG VIDEO
20)	3700.0000 - 4200.0000	H,V	430KG7W	R		3		DIGITAL VIDEO
21)	3700.0000 - 4200.0000	H,V	65K0G7W	R		3		DIGITAL VIDEO



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**C) Frequency Coordination**

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	5925.0000 - 6425.0000	69.0W	143.0W	48.1	23.6	142.2	249.2	-21.1	1
2)	3700.0000 - 4200.0000	69.0W	143.0W	48.1	23.6	142.2	249.2		1
3)	5925.0000 - 6425.0000	69.0W	143.0W	48.1	23.6	142.2	249.2	-21.1	2
4)	3700.0000 - 4200.0000	69.0W	143.0W	48.1	23.6	142.2	249.2		2
5)	5925.0000 - 6425.0000	69.0W	143.0W	48.1	23.6	142.2	249.2	-12.3	3
6)	3700.0000 - 4200.0000	69.0W	143.0W	48.1	23.6	142.2	249.2		3

**D) Point of Communications**

The following stations located in the Satellite orbits consistent with Sections B and C of this License:

- 1) HUB to All authorized U.S. Domestic (ALSAT) Satellites.

**E) Antenna Facilities**

**Site/Elevation:** 1.53 (Meters) AMSL

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
HUB	1	1	12	ANDREW CORPORATION	MODEL	13.6 AGL/ 15.1 AMSL	

Max Gains(s): 53.0 dBi @ 4.0000 GHz 56.3 dBi @ 6.0000 GHz

Maximum total input power at antenna flange (Watts) = 28.12

Maximum aggregate output EIRP for all carriers (dBW) 70.79



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HUB	2	1	5	ANTENNA FOR COMM.	MODEL	8 AGL/ 9.5 AMSL
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Max Gains(s): 44.0 dBi @ 4.0000 GHz 47.5 dBi @ 6.0000 GHz

Maximum total input power at antenna flange (Watts) = 157.74

Maximum aggregate output EIRP for all carriers (dBW) 69.48

HUB	3	1	7.2	VERTEX/RSI	7.2M KXC	0 AGL/ 1.52 AMSL
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Max Gains(s): 47.9 dBi @ 3.9500 GHz 51.7 dBi @ 6.1750 GHz

Maximum total input power at antenna flange (Watts) = 200.00

Maximum aggregate output EIRP for all carriers (dBW) 74.70

## F) Remote Control

HUB	NEW	<b>Callsign:</b> E85012
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## H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special

- 1010 Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1501 Carrier frequency modulated by a composite television signal consisting nominally of a video carrier with a baseband of 10 KHz or 15 Hz to 4.25 MHz and subcarrier(s) nominally between 5.8 and 7.4 MHz with typical baseband(s) of 20 Hz to 15 KHz.
- 1690 Emission 65F9Y denotes a 56 Kbps data channel with 7/8 rate encoding for a 64 Kbps QPSK RF carrier.
- 1697 430F9Y 322 Khns 3/4 430 Khns OPSK
- 1900 Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2000 The hours of operations of this station are not limited.
- 2010 This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2035 This station may be used for the provision of common carrier services.
- 2061 The use of these small diameter earth station facilities is authorized pursuant to the Commission's decisions in American Broadcasting Companies 62 FCC 2d 901 (1976) and Routine Licensing of Earth Stations in the 6 GHz Band Using Antennas Less than 9 meters in Diameter for Narrowband Transmission (Mimeo 7237) released September 25, 1985.



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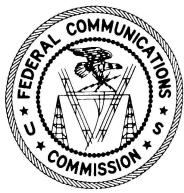
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## H) Special and General Provisions

- 2300 Authority is granted to operate this station by remote control provided that: (1) The parameters of the transmissions of this station monitored at the remote control point, and the operational functions sufficient to insure that the operations of this station are in full compliance with the station authorization at all times; (2) upon detection by the grantee, or upon notification from the Commission, of a deviation of the operation of this station shall be immediately suspended until the deviation is corrected, except the transmissions concerning the immediate safety of life or property may be conducted for the duration of such emergency; and (3) the grantee shall have available, at all times, the technical personnel necessary to perform the technical servicing and maintenance of this station expeditiously.
- 2500 With respect to potential co-channel interference to or from terrestrial microwave radio stations: receive frequency band(s) listed in Section B of this authorization have been cleared for transmissions from and transmit frequency band(s) listed in Section B have been cleared for transmission to satellites located in the portion of the geostationary satellite orbit specified in Section D for the emissions designated in Section B.
- 2510 Waiver of Section 25.203 (e) of the Commission's Rules and Regulations is granted for the beam intersections listed in the application(s) for this facility.
- 2810 The grantee shall maintain on file with the Commission's current list or plan of the precise frequencies in actual use at this station, specifying for each such frequency: the r.f. center frequency, polarization, emission designator, EIRP (dBW), EIRP density (dBW/4kHz), and receiving earth station(s). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis, and shall be updated within seven days of any changes in frequency usage at this station. Temporary usage of frequencies for periods of less than seven days need not be notified to the Commission if accurate station records are maintained of the times and particulars of such temporary frequency usage.





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## H) Special and General Provisions

**B) This RADIO STATION AUTHORIZATION is granted subject to the**

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

**Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993". These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.**